

Physical Science 8-12 Certificate Correlation Chart

For _____ Educator Preparation Program

Please indicate where in the curriculum your program addresses the relevant Physical Science standards, domains, competencies, TAC§228.30 (a)	Identify Courses, Modules, and/or Training																			
	Place course, module name																			
Science 8-12 Standards																				
Standard I: Domain I: Competency 001: The science teacher manages classroom, field, and laboratory activities to ensure the safety of all students and the ethical care and treatment of organisms and specimens.																				
Standard II: Domain I: Competency 001: The science teacher understands the correct use of tools, materials, equipment, and technologies.																				
Standard III: Domain I: Competency 002: The science teacher understands the process of scientific inquiry and its role in science instruction.																				
Standard IV: Domain IV: Competency 021The science teacher has theoretical and practical knowledge about teaching science and about how students learn science.																				
Standard V: Domain IV: Competency 022: The science teacher knows the varied and appropriate assessments and assessment practices to monitor science learning.																				
Standard VI: Domain I: Competency 003: The science teacher understands the history and nature of science.																				
Standard VII: Domain I: Competency 003: The science teacher understands how science affects the daily lives of students and how science interacts with and influences personal and societal decisions.																				
Standard VIII: Domain II: Competency 004,005, 006, 007, 008, 009, 010, 011: Domain III: Competency 012, 013, 014, 015, 016, 017, 018, 019, 020: The science teacher knows and understands the science content appropriate to teach the statewide curriculum (Texas Essential Knowledge and Skills [TEKS]) in physical science.																				
Standard XI. Domain I: Competency 002: The science teacher knows unifying concepts and processes that are common to all sciences.																				

